

What is claimed is:

1 1. A device for cooling a CPU chip disposed on a chassis
2 comprising:

3 a heat sink disposed on the CPU chip;

4 a bracket, having at least one pivot portion and at least
5 one retention portion, pivotally disposed on the chassis by
6 the pivot portion; and

7 a fan disposed on the bracket, wherein the fan is
8 adjacent to the heat sink when the bracket engages with the
9 chassis by the retention portion, and the fan is away from
10 the heat sink when the retention portion of the bracket does
11 not engage with the chassis.

1 2. The device as claimed in claim 1, wherein the chassis
2 is provided with at least one pivot recess and at least one
3 retention recess, and the pivot portion is provided with at
4 least one pivot post corresponding to the pivot recess, and
5 the retention portion is provided with at least one retention
6 post corresponding to the retention recess.

1 3. The device as claimed in claim 1, wherein the bracket
2 is provided with at least one first engaging portion, and the
3 fan is provided with a second engaging portion corresponding
4 to the first engaging portion.

1 4. The device as claimed in claim 3, wherein the first
2 engaging portion comprises:

3 at least one raised pad integrally formed on the bracket;
4 and

5 at least one locator post integrally formed on the raised
6 pad.

1 5. The device as claimed in claim 4, wherein the second

engaging portion comprises at least one locator recess
corresponding to the locator post.

6. The device as claimed in claim 1, wherein the bracket
is provided with at least one retaining hook for retaining
the fan in position.

7. A fan assembly for cooling a CPU chip disposed on a
chassis comprising:

a bracket, having at least one pivot portion and at least
one retention portion, pivotally disposed on the chassis by
the pivot portion; and

a fan disposed on the bracket, wherein the fan is
adjacent to the CPU chip when the bracket engages with the
chassis by the retention portion, and the fan is away from
the CPU chip when the retention portion of the bracket does
not engage with the chassis.

8. The fan assembly as claimed in claim 7, wherein the
chassis is provided with at least one pivot recess and at least
one retention recess, and the pivot portion is provided with
at least one pivot post corresponding to the pivot recess,
and the retention portion is provided with at least one
retention post corresponding to the retention recess.

9. The fan assembly as claimed in claim 7, wherein the
bracket is provided with at least one first engaging portion,
and the fan is provided with a second engaging portion
corresponding to the first engaging portion.

10. The fan assembly as claimed in claim 9, wherein the
first engaging portion comprises:

at least one raised pad integrally formed on the bracket;

4 and

5 at least one locator post integrally formed on the raised
6 pad.

1 11. The fan assembly as claimed in claim 10, wherein the
2 second engaging portion comprises at least one locator recess
3 corresponding to the locator post.

1 12. The fan assembly as claimed in claim 7, wherein the
2 bracket is provided with at least one retaining hook for
3 retaining the fan in position.

1 13. A fan assembly comprising:

2 a bracket having at least one first engaging portion and
3 at least one retaining hook; and

4 a fan, having a second engaging portion corresponding
5 to the first engaging portion, disposed on the bracket by the
6 retaining hook and the engagement of the first engaging
7 portion and the second engaging portion.

1 14. The fan assembly as claimed in claim 13, wherein the
2 first engaging portion comprises:

3 at least one raised pad integrally formed on the bracket;
4 and

5 at least one locator post integrally formed on the raised
6 pad.

1 15. The fan assembly as claimed in claim 14, wherein the
2 second engaging portion comprises at least one locator recess
3 corresponding to the locator post.

1 16. A bracket pivotally fixed within a chassis for
2 securing a cooling fan, comprising:

3 a pivot post positioned on a side wall of the bracket
4 and being installed within a pivot recesses of the chassis;

5 a retention portion, for engaging the bracket with the
6 chassis;

7 at least one locator disposed on the predetermined
8 position to fit a locator recess of the fan; and

9 a through hole, formed at the center portion of the
10 bracket.

1 17. The bracket as claimed in claim 16, wherein the
2 bracket is provided with at least one retaining hook for
3 retaining the fan in position.

1 18. The bracket as claimed in claim 16, wherein the
2 bracket further comprises at least one raised pad integrally
3 formed on the bracket.